

本设备主要对超硬材料刀具复合片、陶瓷、单晶等对切割面质量要求较高的产品进行激光切割,可选配 CCD 同轴监视器。精密三轴运动工作台和工业控制计算机系统组成。自行研制新版软件系统,功能强大,也可用 CAD 图形自动编程,切面光滑,装夹方便。

This machine mainly performs laser cutting on products with high requirements on the quality of cutting surfaces such as super-hard material tool composite sheets, ceramics, single crystals, etc., within CCD coaxial monitor. It consists of a precision three-axis motion table and an industrial control computer system. The new version of the software system is developed by itself, and it can be automatically programmed with CAD graphics. The cutting surface is smooth, the clamping is convenient.

- 光束质量好,加工效率高,切缝精细。
- 垂直度好,切割面垂直度小于 1.5°。
- 切缝窄、良品率高,切缝边棱平直,热损伤小。
- Good beam quality, high processing efficiency, the cutting slits are fine.
- Good verticality, and the perpendicularity of the cutting surface is less than 1.5°.
- The cutting slit is narrow, high yield, the edge of straight cutting slit, small thermal damage .

广泛应用于磨具、刀具等行业。

Widely used in abrasives, cutting tools and other industries.

适用于 PCD 拉丝模、PCD 复合片、CVD、各种 PCBN、单晶钻石、陶瓷、硅片、硬质合金、薄钢板等各种材料的高效切割和精密加工。

It is suitable for high efficient cutting and precision machining of PCD drawing die, PCD laminate, CVD, various PCBN, single crystal diamond, ceramics, silicon wafer, cemented carbide, thin steel plate and other materials.



性能 / 型号	Performance/model	SK-LC150	SK-LC300	SK-LC450
脉宽	Pulse width	0.05~20ms		
重复频率	Repeat frequency	1-3000Hz		
1.6mmPCD 切割速度	1.6 mm PCD cutting speed	≥120mm/min	≥240mm/min	
2.0mmPCD 切割速度	2.0mm PCD cutting speed	≥70mm/min	≥180mm/min	
切缝宽度	Kerf width	≤0.1mm		
热影响区	Heat influence range	≤0.05 mm		
PCD 单面最大切割厚度	PCD Max. thickness of single surface cutting	3mm	5mm	
PCD 双面最大切割厚度	PCD Max. thickness of double-sided cutting	5mm	8mm	
供电电源	Power supply	AC220V±10%/1PH/50Hz		
机器尺寸(长*宽*高)	Machine size (L*W*H)	1550*950*1750mm		
机器重量	Machine weight	300Kg		